Creative
Well Intervention Solutions

a vision

Seal Bore Protection

an advanced intervention solution

wireline engineering

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Well Intervention Solutions

Wireline Engineering serves its upstream oil & gas customers by developing innovative wireline and flow control products that add tangible value to their well intervention activities. We are committed to the success of all our Customers, by finding smarter, easier and better ways to meet their operational and business goals. Wireline Engineering combines operational experience, creative design, state of the art manufacturing and product testing facilities to generate smart products and fast-track solutions, worldwide.

Seal Bore Protection

an advanced intervention solution

Maintaining seal bore integrity throughout the life of the completion is vital in terms of functionality and cost of critical components. Seal bore damage in completion equipment such as Safety Valves, Landing Nipples and Sliding Side Doors can make it impossible to achieve a pressure seal and could mean a workover has to be scheduled. The costs involved will be considerable, not only for the replacement of the damaged equipment but also due to loss of production during remedial operations. It is therefore important that steps are taken to provide effective protection before running intervention toolstrings through exposed seal bores.

To prevent seal bore damage due to the passage of wire, drill pipe or coiled tubing during intervention activities, Wireline Engineering has developed a range of proprietary seal bore protection equipment that is designed to fit and preserve vital seal surfaces in all third party completion equipment and can be supplied to suit all well conditions. Our seal bore protection equipment has an extensive track record and has been proven effective in a wide range of applications. All seal bore protection equipment is subject to Wireline Engineering's stringent quality assurance procedures to ensure operational function and compatibility in the field.

For more information on these or other Wireline Engineering products, please contact your nearest sales office.

When isolation from wellbore pressures is required, we can offer seal bore protection using a large bore lock with pack-off. This will typically be used inside either a Hydraulic Safety Valve Landing Nipple or within a Tubing Retrievable Sub-Surface Safety Valve. This equipment has the advantage of locking positively into the target profile and can be designed to suit all third party completion equipment.

In addition to protecting the critical seal bore areas, an increased internal diameter is provided to enable larger intervention tools to pass through. When used in conjunction with a Hydraulic Landing Nipple the control line port is also sealed and isolated from wellbore pressure.

Protection sleeves can be configured to locate with a no-go, using gravity alone to keep them in position within the sealbore. Alternatively, protection sleeves can be designed to lock inside any third party profile, held securely by collet fingers and correct setting confirmed by a tell tale prong.

When deployed conventionally, protection sleeves use a standard GS running/pulling tool, requiring two separate trips in hole. Protection sleeves can also be supplied in "Drop Off" mode using specific running tools, allowing the sleeve to be installed and retrieved during a single intervention run, saving time and reducing risk by eliminating additional trips in hole.

Protection sleeves from Wireline Engineering can be retrofitted to any third party completion equipment and allow large diameter intervention tools to access the wellbore below, without retrieval of the protection sleeve in the process.

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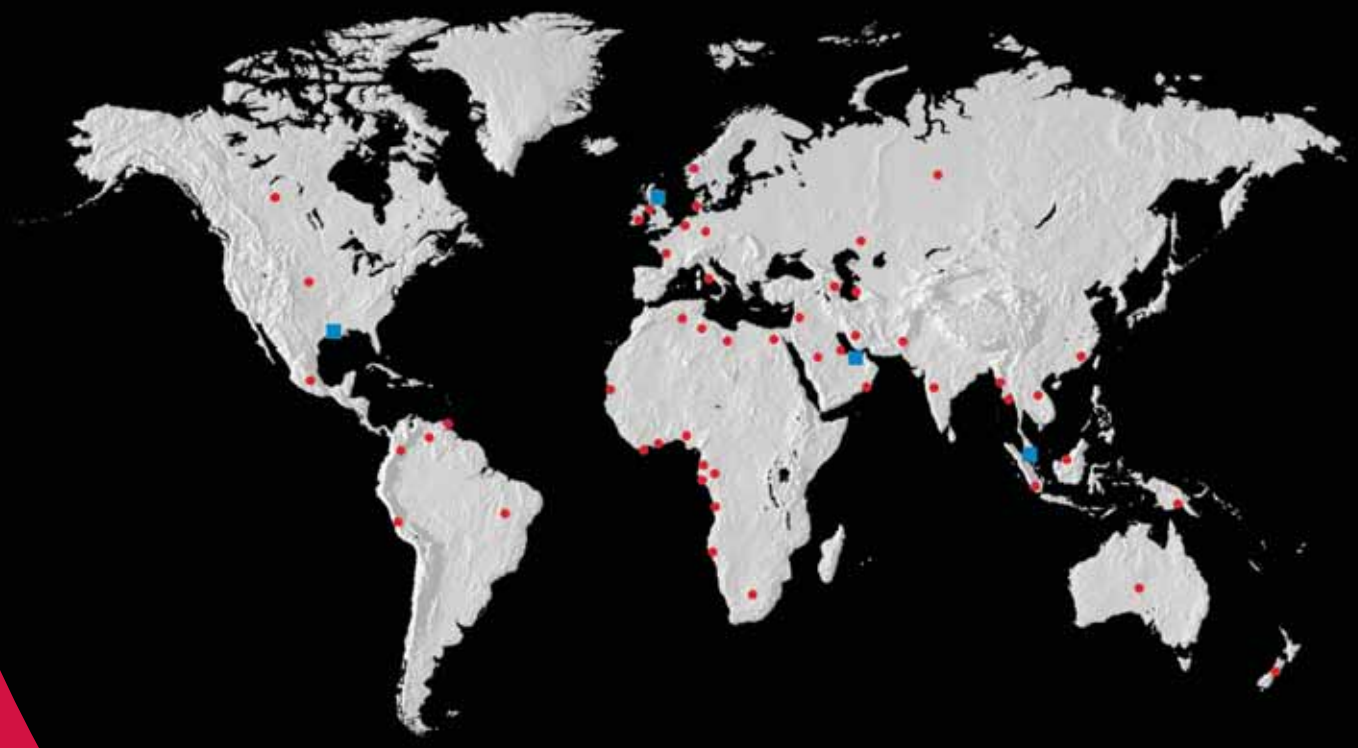

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